## **SEQLIST**

## SEQUENCE LISTING

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<110> Shewchuk, Lisa Marie
      Hassell, Anne Moore
      Brignola, Perry Scott
<120> ERB4 Co-Crystal
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<140> US 10/543,046
<141> 2005-07-21
<150> PCT/US04/01291
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<213> Homo sapein

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50 60 Thr Val Lys Ile Pro Val Ala Ile Lys Ile Leu Asn Glu Thr Thr Gly 65 70 75 80 Pro Lys Ala Asn val Glu Phe Met Asp Glu Ala Leu Ile Met Ala Ser 95 90 Met Asp His Pro His Leu Val Arg Leu Leu Gly Val Cys Leu Ser Pro 110 105 100 Thr Ile Gln Leu Val Thr Gln Leu Met Pro His Gly Cys Leu Leu Glu 115 120 125 120 Tyr Val His Glu His Lys Asp Asn Ile Gly Ser Gln Leu Leu Leu Asn 130 135 140 Trp Cys val Gln Ile Ala Lys Gly Met Met Tyr Leu Glu Glu Arg Arg 155 16**0** 150 Leu val His Arg Asp Leu Ala Ala Arg Asn val Leu val Lys Ser Pro 175 170 165 Asn His Val Lys Ile Thr Asp Phe Gly Leu Ala Arg Leu Leu Glu Gly 180 185 190 Asp Glu Lys Glu Tyr Asn Ala Asp Gly Gly Lys Met Pro Ile Lys Trp 200 205 Met Ala Leu Glu Cys Ile His Tyr Arg Lys Phe Thr His Gln Ser Asp 220 215 val Trp Ser Tyr Gly val Thr Ile Trp Glu Leu Met Thr Phe Gly Gly 240 230 235 225 Gly Ile Pro Thr Arg Glu Ile Pro Asp Leu Leu Glu 245 255

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Lys Gly Glu Arg Leu Pro Gln Pro Pro Ile Cys Thr Ile Asp Val Tyr
                                         265
               260
Met val Met val Lys Cys Trp Met Ile Asp Ala Asp Ser Arg Pro Lys
                                   280
                                                              285
Phe Lys Glu Leu Ala Ala Glu Phe Ser Arg Met Ala Arg Asp Pro Gln 290 295 300
    Tyr Leu Val Ile Gln Gly Asp Asp Arg Met Lys Leu Pro Ser Pro
                                                   315
                         310
ASN ASP Ser Lys Phe Phe Gln ASN Leu Leu ASP Glu Glu ASP Leu Glu
                                                                        335
                                              330
                    325
Asp Met Met Asp Ala Glu Glu Tyr Leu Val Pro Gln Ala Phe Asn Ile
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Pro Pro Pro Ile Tyr Thr Ser Arg Ala Arg Ile Asp
355 360
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aagagggtaa aagteettgg etcaggtget tttggaaegg tttataaagg tatttgggta 180
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atcacagatt ttgggctagc cagactettg gaaggagatg aaaaagagta caatgetgat 600 ggaggaaaga tgccaattaa atggatgget etggagtgta tacattacag gaaatteace 660
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       coordinates are shown in Table 2
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Ala Glu Thr Glu Leu Ala Arg Val Ala Val Leu Gly Ser Gly Ala Phe
Gly Thr val Tyr Lys Gly Ile Trp Val Pro Ala Gly Glu Ala Val Lys
45
Ile Pro Val Ala Ile Lys Ile Ala Val Ala Asn Val Glu Phe Met Asp 50 55 60
Glu Ala Leu Ile Met Ala Ser Met Asp His Pro His Leu Val Arg Leu
```

75

90

Leu Gly Val Cys Leu Ser Pro Thr Ile Gln Leu Val Thr Gln Leu Met

Pro His Gly Cys Leu Leu Glu Tyr Val His Glu His Lys Asp Asn Ile

70

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105 100 Gly Ser Gln Leu Leu Leu Asn Trp Cys Val Gln Ile Ala Lys Gly Met 120 Met Tyr Leu Glu Glu Arg Arg Leu Val His Arg Asp Leu Ala Ala Arg 130 135 140 Asn Val Leu Val Lys Ser Pro Ala His Val Lys Ile Thr Asp Phe Gly
155 1560 Leu Ala Arg Leu Leu Glu Gly Asp Glu Lys Glu Tyr Asn Ala Asp Gly
165 170 175 165 Gly Lys Met Pro Ile Lys Trp Met Ala Leu Glu Cys Ile His Tyr Arg
180 185 190 Ala Phe Thr His Gln Ser Asp Val Trp Ser Tyr Gly Val Thr Ile Trp
195 200 205 Glu Leu Met Thr Phe Gly Gly Lys Pro Tyr Asp Gly Ile Pro Thr Ala 210 220 Glu Île Pro Asp Leu Leu Glu Lys Gly Glu Arg Leu Pro Gln Pro Pro 235 240 lle Cys Thr Ile Asp Val Tyr Met Val Met Val Lys Cys Trp Met Ile 245 250 255 Asp Ala Asp Ser Arg Pro Lys Phe Ala Glu Leu Ala Ala Glu Phe Ser 260 270 Arg Met Ala Arg Asp Pro Gln Arg Tyr Leu Val Ile Gln Gly Asp Ala 275 280 285 Ala Ala Ala Pro Leu Thr Pro Ser Gly Thr Ala Pro Asn Gln Ala 290 295 300 Gln Leu Arg Ile Leu Ala Glu Thr Glu Leu Ala Arg Val Ala Val Leu 305 310 320 310 Gly Ser Gly Ala Phe Gly Thr Val Tyr Lys Gly Ile Trp Val Pro Ala 325 330 335 Gly Glu Ala Val Ala Ile Pro Val Ala Ile Lys Ile Ala Val Ala Ala 340 345 340 Asn Val Ala Phe Met Asp Glu Ala Leu Ile Met Ala Ser Met Asp His 355 360 365 Pro His Leu Val Arg Leu Leu Gly Val Cys Leu Ser Pro Thr Ile Gln 370 375 380 Leu Val Thr Gln Leu Met Pro His Gly Cys Leu Leu Glu Tyr Val His 385 390 395 400 Glu His Lys Asp Asn ile Gly Ser Gln Leu Leu Asn Trp Cys Val 405 410 415 405 Gln Ile Ala Lys Gly Met Met Tyr Leu Glu Glu Arg Arg Leu Val His 420 425 430 Arg Asp Leu Ala Ala Arg Asn Val Leu Val Lys Ser Pro Ala His Val 440 Lys Ile Thr Asp Phe Gly Leu Ala Arg Leu Leu Glu Gly Asp Glu Ala 450 460 Ala Tyr Asn Ala Asp Gly Gly Ala Met Pro Ile Lys Trp Met Ala Leu 465 470 475 480 Glu Cys Ile His Tyr Arg Ala Phe Thr His Gln Ser Asp Val Trp Ser 485 490 495 Tyr Gly Val Thr Ile Trp Glu Leu Met Thr Phe Gly Lys Pro Tyr Asp 500 505 510 Gly Ile Pro Thr Ala Glu Ile Pro Asp Leu Leu Glu Lys Gly Glu Arg 515 520 525 Leu Pro Gln Pro Pro Ile Cys Thr Ile Asp Val Tyr Met Val Met Val 530 535 540 Lys Cys Trp Met Ile Asp Ala Asp Ser Arg Pro Lys Phe Ala Glu Leu 545 550 555 560 Ala Ala Glu Phe Ser Arg Met Ala Arg Asp Pro Gln Arg Tyr Leu Val Ile Gln Gly Asp Ala 580

## **SEQLIST**